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Points: 245.49 Rank: 28480

ginortS

by DOSHI

Problem

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You are given a string S .
 S contains alphanumeric characters only.

Sorting

Your task is to sort the string S in the following manner:

- All sorted *lowercase letters* are ahead of *uppercase letters*.
- All sorted *uppercase letters* are ahead of *digits*.
- All sorted *odd digits* are ahead of sorted *even digits*.

Input Format

A single line of input contains the string S .

Constraints

$$0 < \text{len}(S) < 1000$$

Output Format

Output the sorted string S .

Sample Input

```
Sorting1234
```

Sample Output

```
ginortS1324
```

Note:

- Using `join`, `for` or `while` anywhere in your code, even as substrings, will result in a score of 0.
- You can only use *one* sorted function in your code. A 0 score will be awarded for using `sorted` more than once.

Hint: Success is not the key, but *key* is success.

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Solved score: 20.00pts

Submissions: [5741](#)

Max Score: 40

Difficulty: Medium

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Python 3

